

APPENDIX G

Claim 55 of the Present Application⁶	Claim 12⁷ of the '468 Patent	Claim 3⁸ of the '468 Patent	Explanation of Slightly-Differing Language Represents the Same Invention
55. (New) A vaccine which protects a pig against a porcine reproductive and respiratory syndrome (PRRS) , comprising	A vaccine suitable for use in prevention of swine infertility and respiratory syndrome , comprising:	A vaccine comprising attenuated swine infertility and respiratory syndrome virus ,	Collins refers to "Mystery Swine Disease" as " Swine Infertility and Respiratory Syndrome " (See '468 Patent, Column 1, Lines 16-21) Applicants note that "[a]mong the first of the new strains to be identified was a virus associated with the so-called Mystery Swine Disease (MSD) or 'blue-eared syndrome', now known as Swine Infertility and Respiratory Syndrome (SIRS) or Porcine Reproductive and Respiratory Syndrome (PRRS) ." (See '779 Application, Page 1, Lines 11-16)
an effective amount of a biologically-pure virus selected from the group consisting of ISU-51 (VR 2429), ISU-55 (VR 2430), ISU-3927 (VR 2431), and ISU-1894 (VR	wherein the attenuated swine infertility and respiratory syndrome virus [is] produced by a process comprising passaging swine infertility and respiratory syndrome virus ATCC VR-2332	wherein said attenuated swine infertility and respiratory syndrome virus is produced by a process comprising passaging a swine infertility and respiratory syndrome virus	The '468 Patent explains that "[a]lthough there are some differences in clinical signs, i.e., cutaneous cyanosis of the ears, tail and udder in European swine, the prevailing opinion is that the North American and European diseases are

⁶ Should the Examiner wish to use the Second or Third Alternative of the Proposed Count, Applicants will amend this Appendix accordingly.

⁷ Should the Examiner wish to use a different claim from the '468 Patent, Applicants will amend this Appendix accordingly.

⁸ Should the Examiner wish to use a different claim from the '468 Patent, Applicants will amend this Appendix accordingly.

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2475), or a virus exhibiting the identifying characteristics of a virus in said group,			<p>caused by the same virus, a fastidious, non-hemagglutinating enveloped RNA virus as exemplified by the deposit ATCC VR 2332." (See '468 Patent, Column 9, Lines 1-6)</p> <p>See also, discussion above in text of Request</p>
wherein said virus is attenuated;	(a) attenuated swine infertility and respiratory syndrome virus; and		
and a physiologically-acceptable carrier,	(b) pharmaceutical carrier;		<p>The '468 Patent states "[f]or purposes of parenteral administration, the killed or attenuated MSD infectious agent can be combined with pharmaceutically acceptable carrier(s) well known in the art such as saline solution, water, propylene glycol, etc." (See '468 Patent, Column 5, Lines 59-62)</p> <p>Applicants note that "when administered as a solution, the present vaccine may be prepared in the form of an aqueous solution, a syrup, an elixir, or a tincture. Such formulations are known in the art, and are prepared by dissolution of the antigen and other appropriate additives in the</p>

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			appropriate solvent systems. Such solvents include water, saline, ethanol, ethylene glycol, glycerol, A1 fluid, etc." (See '779 Application, Page 64, Line 23 to Page 65, Line 3)
wherein said virus is prepared by serial passage	wherein the attenuated swine infertility and respiratory syndrome virus [is] produced by a process comprising passaging swine infertility and respiratory syndrome virus ATCC VR-2332		
in a cell line selected from the group consisting of PSP-36, PSP-36-SAH, and MA-104 .	through simian cells to form modified swine infertility and respiratory syndrome virus which is non-zoopathogenic in swine, wherein the simian cells are MA-104 simian kidney cells.	through simian kidney cells to form an attenuated swine infertility and respiratory syndrome virus which is non-zoopathogenic in swine; and the swine infertility and respiratory syndrome virus is a wherein the simian kidney cells are MA-104 simian kidney cells.	